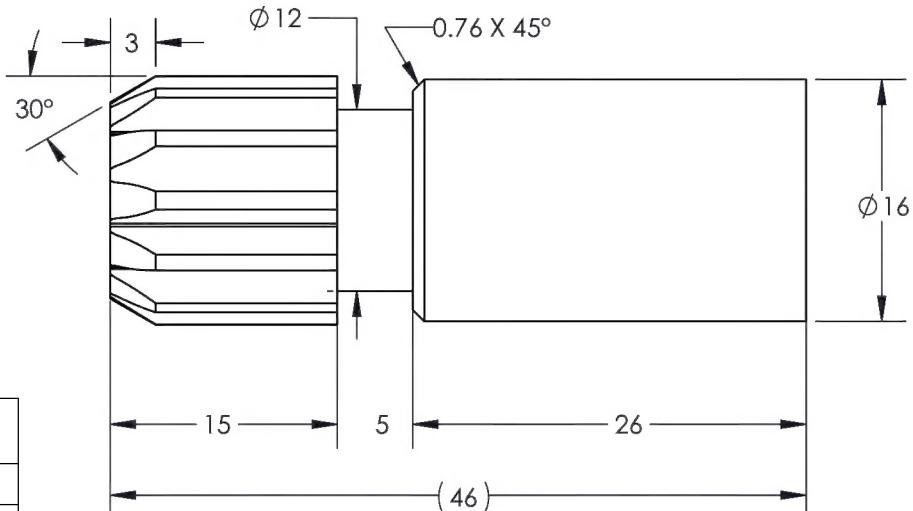
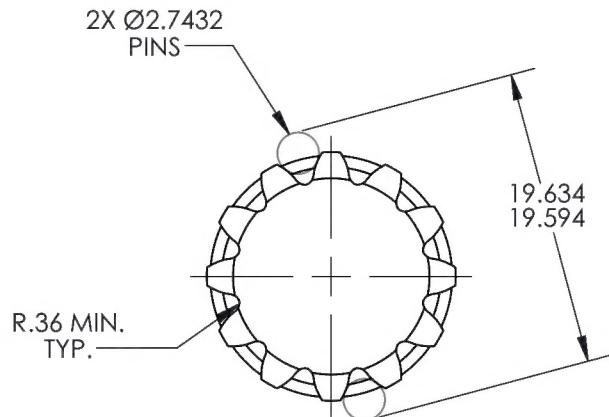


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
1	15.0206	ADDED .76 X 45° CHAMFER, ADDED NOTE 2, CH'D PIN DIAMETER WAS 2X Ø2.667 IS Ø2.7432.			11/20/2015	RJC	JAG



EXTERNAL SPLINE DATA INVOLUTE PROFILE SIDE FIT FILLET ROOT

PRESSURE ANGLE	30°
MODULE	1.27
NUMBER OF TEETH	12
PITCH DIAMETER	15.240
BASE DIAMETER	13.19823
CIRCULAR SPACE THICKNESS (EFFECTIVE)	/
CIRCULAR SPACE THICKNESS (ACTUAL)	1.880/1.900
PINS DIAMETER	2.7432
DIMENSION BETWEEN PINS	19.634/19.594
MAJOR DIAMETER	16.500/16.400
MINOR DIAMETER	12.590/12.460
MAX T.I.F. DIAMETER	13.868
MAX CUMULATIVE PITCH ERROR BETWEEN TWO TEETH	.036
MAX PROFILE ERROR (TOTAL)	.008/-0.013
MAX PARALLEL (SM ERROR TOTAL)	.008
MATING SPLINE	4G6320A11131

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	SCALE	DATE	SHEET 1 OF 1
			1		EXTERNAL SPLINE	1018/1020			2:1	11/17/2014	

NOTE:

1. THIS DRAWING IS USED FOR TOOTH PROFILE ONLY.
2. ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED.

DART AEROSPACE	
TITLE	
DWG NO. RBW6305G31351-3G REV 1	
MAT'L 1018/1020 DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED APPROVED <i>J Gilbert</i>	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
HEAT TREAT FINISH CAD PLATE YELLOW	
SPEC QQ-P-416, TYPE II, CLASS II	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL AW139	
SCALE	2:1
DATE	11/17/2014